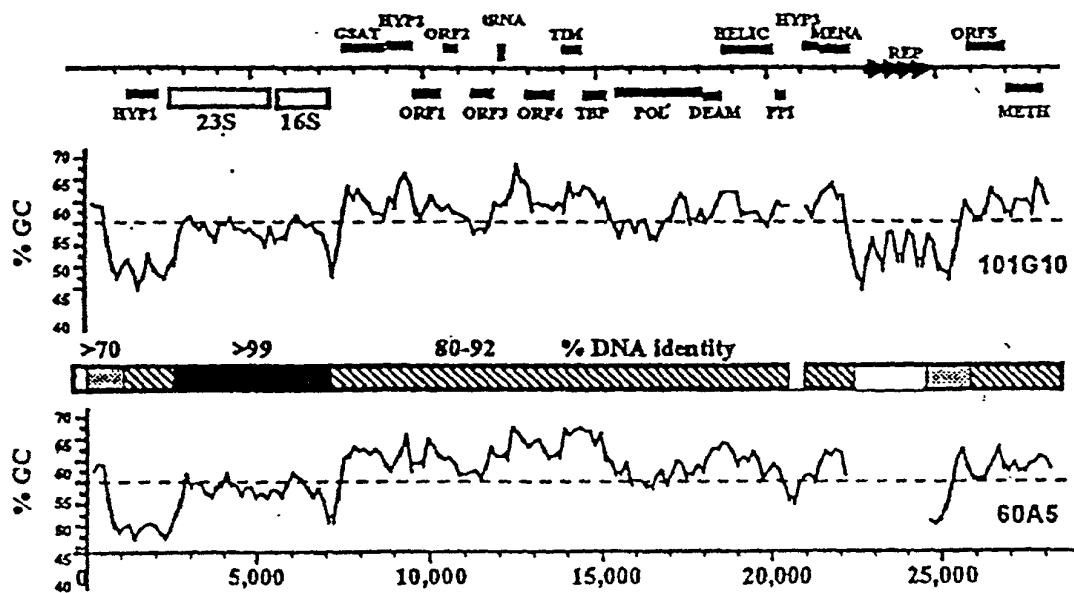


FIGURE 1



10034623-132404

Figure 2

eq. no.	Gene	Strain	TATA Box	Coding Start	TATA to Start (bp)
81	Hypoth 03	A	AAGCTAGACT TTTAAT TGGG ATCCGGCGGG GCGGCGCATG	~~~~~	~~~~~ 25
82		B	AAGCTAAACT TTTAAT TGGG ATCCGGCGAG CCGGCGCGTG	~~~~~	~~~~~
83	Hypoth 02	A	GGAAACTTTG ATTATA CGGG CGTGCTGCCC CGGGGCCCAT	G~~~~~	~~~~~ 26
84		B	GGAAACTTTG ATTATA CGGG CGTACATTCC CGGGGCCCAT	G~~~~~	~~~~~
85	ORF 02	A	AAGGCAAGGT AATAAT AGCC TGCCGTCTGT AACGGCCGTA	TG~~~~~	~~~~~ 27
86		B	ACGGCAAGGT AATAAT AGCC TGCCGTCCGT ACCTGCCGTA	TG~~~~~	~~~~~
87	ORF 03	A	CATGGAACTA GATATT AACC GGTTCGCGG ATCCCATGCA	TG~~~~~	~~~~~ 27
88		B	CATGGAACTA GATAAT AACC GGTCCCGCG GTACAATGCA	TG~~~~~	~~~~~
89	PPI	A	ATACCGAGAA GTTATA GCAG GGTATGGAAT GTGCGCGCGC	ATG~~~~~	~~~~~ 28
90		B	AGCACGACAA GTTATA GCAG GGTACAAAGG AGCAGCGCAC	ATG~~~~~	~~~~~
91	GSAT	A	ATCCGCCCTG ATTAAA TTAT GGGGGGAGCG GCCTGCTGCC	GTG~~~~~	~~~~~ 28
92		B	ATCCGGCCTC ATTAAA TTAC GGGGGGTACA ACCTGCTGCC	GTG~~~~~	~~~~~
93	ORF 05	A	CCTTCATACA CATAAA TCCC GCCTGGATGT GCGGCTGCGC	ATG~~~~~	~~~~~ 28
94		B	ACTTCATACA CATAAA TCCC GCCTGAACGG TCGTCCGCGC	ATG~~~~~	~~~~~
95	deaminase	A	.GGCATATAC CATAAT ATGC CGGGCGGTGG CACCATGGCC	GTTG~~~~~	~~~~~ 29
96		B	CCGCATATAC CATAAT ATGC CGGGCGGGGG CAGGCTGCCC	.GTG~~~~~	~~~~~
97	RNA helic	A	TGTACGAAAC CATAAA ACAA CAGGCCGCGT CAGGGCCGCG	CGTG~~~~~	~~~~~ 29
98		B	GGGTAGAAAC CATAAA ACAA CAGGCCGCGG CAGGGCG.CG	CGTG~~~~~	~~~~~
99	ORF 06	A	.ACACGCAG TATAAA CGGG GGCCCGGGCG GCGCGTATCA	CATG~~~~~	~~~~~ 29
100		B	ATACACGTGG TATAAA CAGA GG.CCGGACG GCGCGGACCA	CATG~~~~~	~~~~~
101	tRNA-tyr	A	GCGATAGTTA TTTAAA ACTA GGATGCCGAT CACGGATCGT	CCCA~~~~~	~~~~~ 29
102		B	GCGATAGTTA TTTAAA ACTA GGATGCCGGG CACCCGTCGT	CCCA~~~~~	~~~~~
103	TBP	A	CCGGGCCCCG GTTAAA ATAG CG.CACGGGC GGATCCTGAC	CAATG~~~~~	~~~~~ 30
104		B	CCGGGCCCCG GTTAAA ATAG AGTGCGGCCG GGCACCGGAT	CAATG~~~~~	~~~~~
105	TIM	A	GCGTCGATAG AATAAA TACG CGCAGGGGGC CCCGTGGCGC	GATCGCCCGT	G~~~~~ 36
106		B	GCGTCGATAG AATAAA TACG CGC.GGGGCC GCGGTGC...	GATCGCCCGT	G~~~~~
107	Hypoth 01	A	ATTTCAACTA CATAAA TGCC TAGTTACGCA GAAATAGCAA	ACGACGTACT	TCGACTAATG 45
108		B	ACTTCAACTA CATAAA TGCC TAGCTACGCA GAAATATCAA	ACAAAGTACT	TCGACTAATG
109	ORF 01	A	ACGGCAGGCT ATTATT ACCT TGCCTTGCCT TGTA //..G	CGGGGTGCGG	CAGGGGATG 52
110		B	ACGGCAGGCT ATTATT ACCT TGCCGTGTG. TACA //..G	AGGGGGCCTG	CCGGGAGTG
111	Methylase	A	CTACAACGAT TTTAAG TCGG CGCCGGGGCA GCCG.//..G	ATGTGGGGCA	GGCAACATG 104
112		B	CTACAAAGAT TTTAAG ACGG CGCGGGTGCC GCGG.//..T	GGCACGGGGG	CCTATCTTG
113	16S RNA	A	TCGGCGATGG TTTATA TGCC CATGGACGGG CCGATCCGAT	CGTACGTGAC	GC.//..AAT 220
114		B	CCGGCGATGG TTTATA TGCC CATGGACAAG GCGATCCGAT	CGTACGTGAC	GC.//..AAT
Archaeal promoter consensus			YTTAWA		

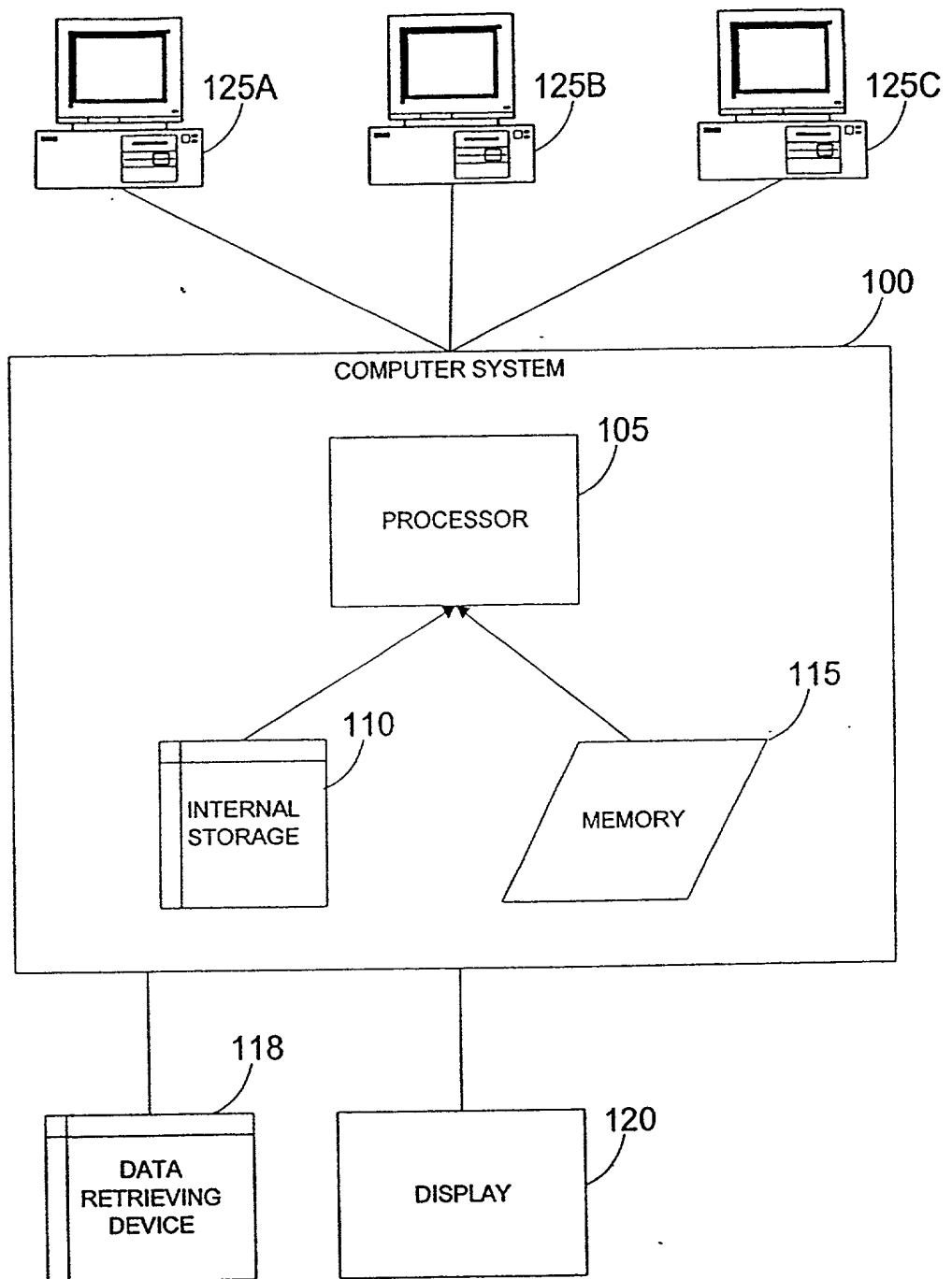


FIGURE 3

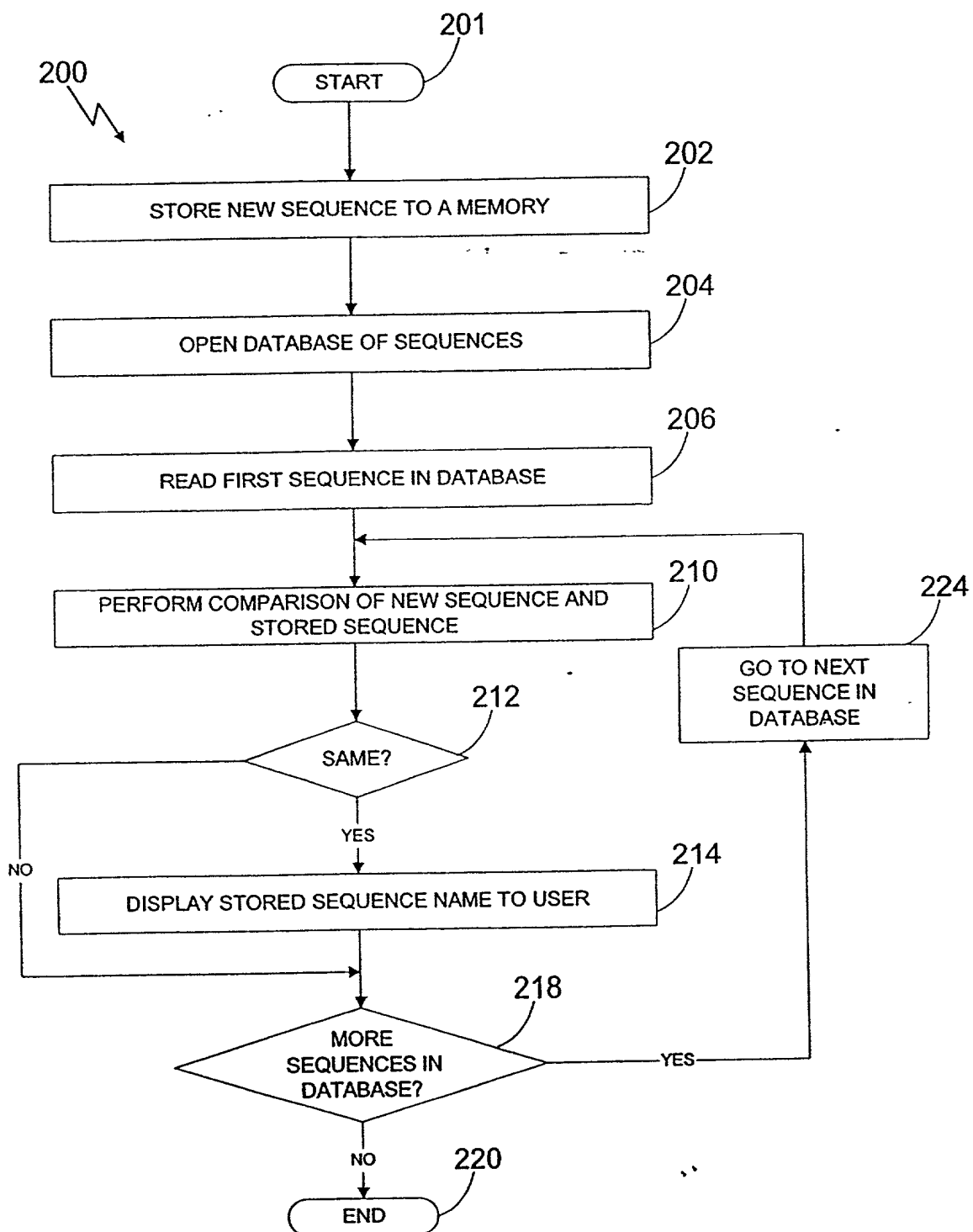


FIGURE 4

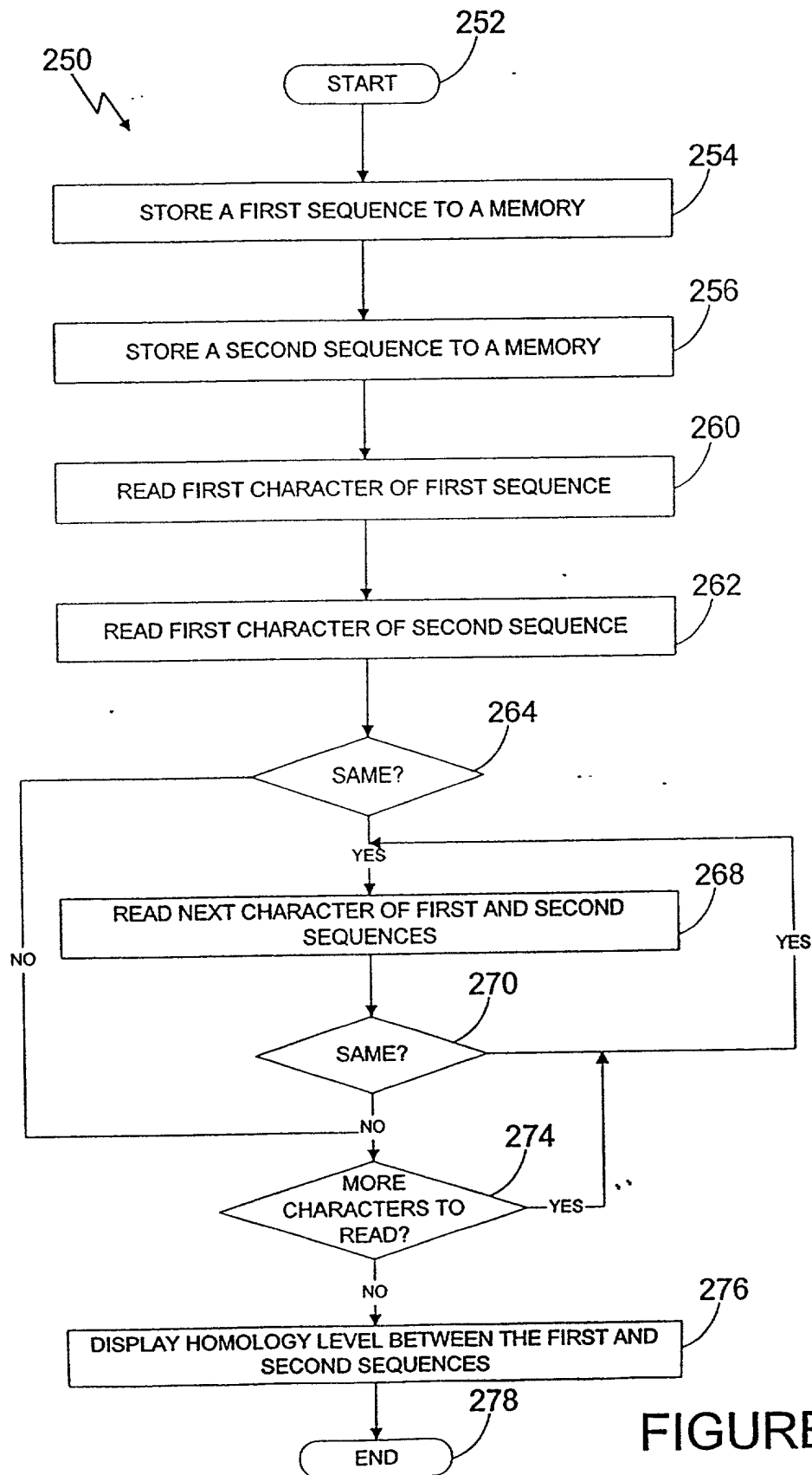


FIGURE 5

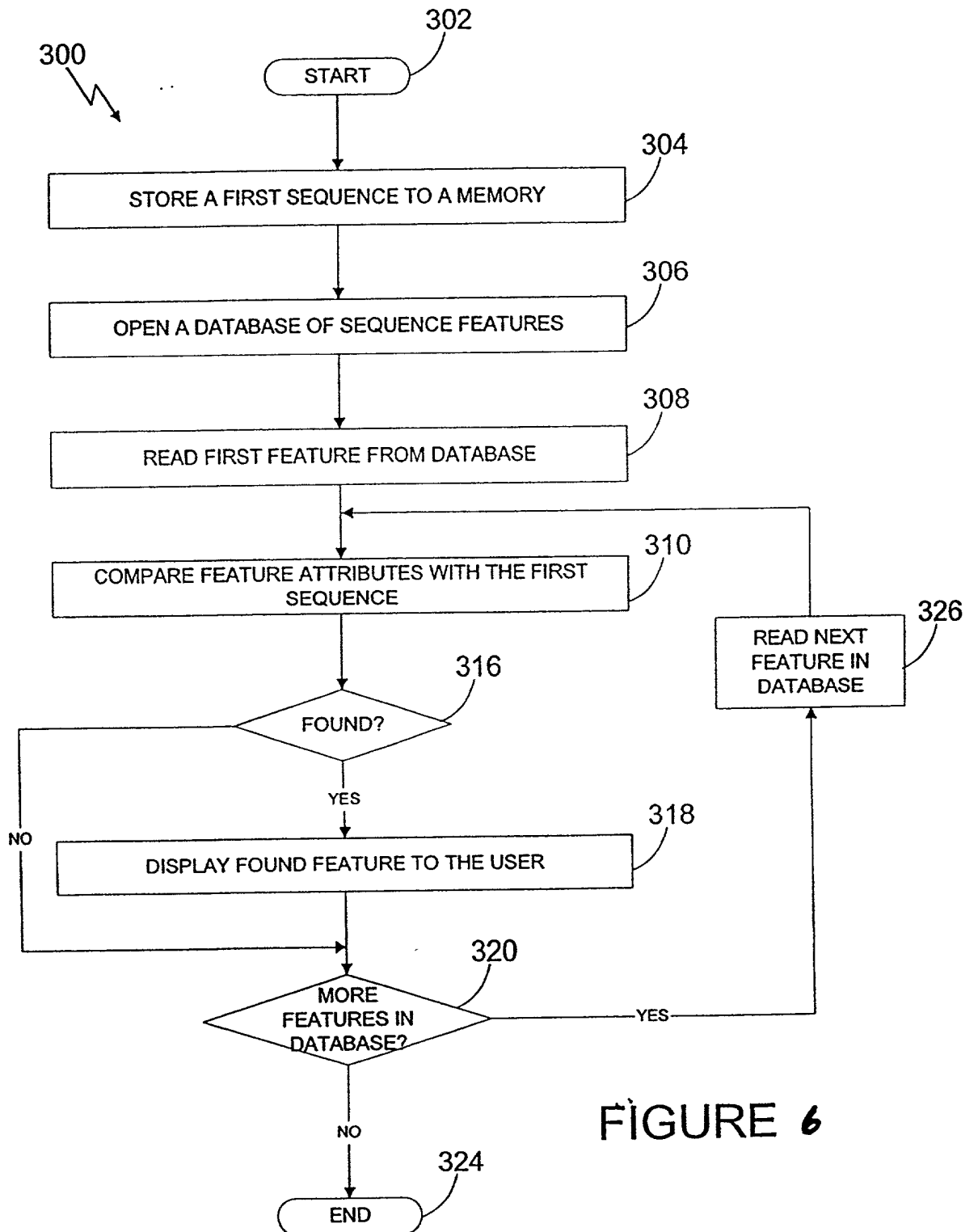


FIGURE 6